FIG.1

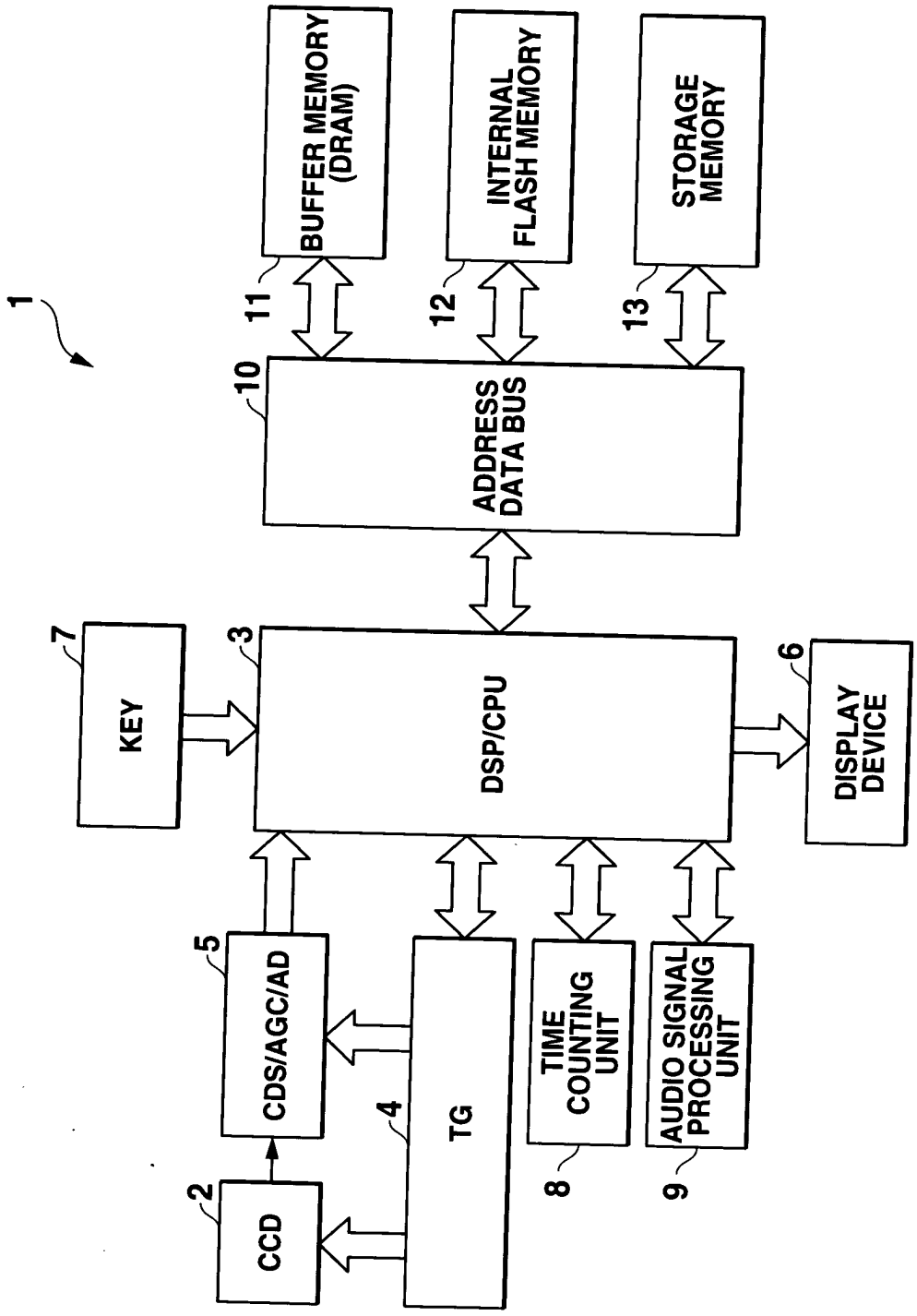

1
BUFFER MEMORY (DRAM)
INTERNAL FLASH MEMORY
STORAGE MEMORY
11
12
13
10
ADDRESS DATA BUS
KEY
7
3
DSP/CPU
6
DISPLAY DEVICE
5
CDS/AGC/AD
4
TG
TIME COUNTING UNIT
AUDIO SIGNAL PROCESSING UNIT
2
CCD
8
9

FIG.2

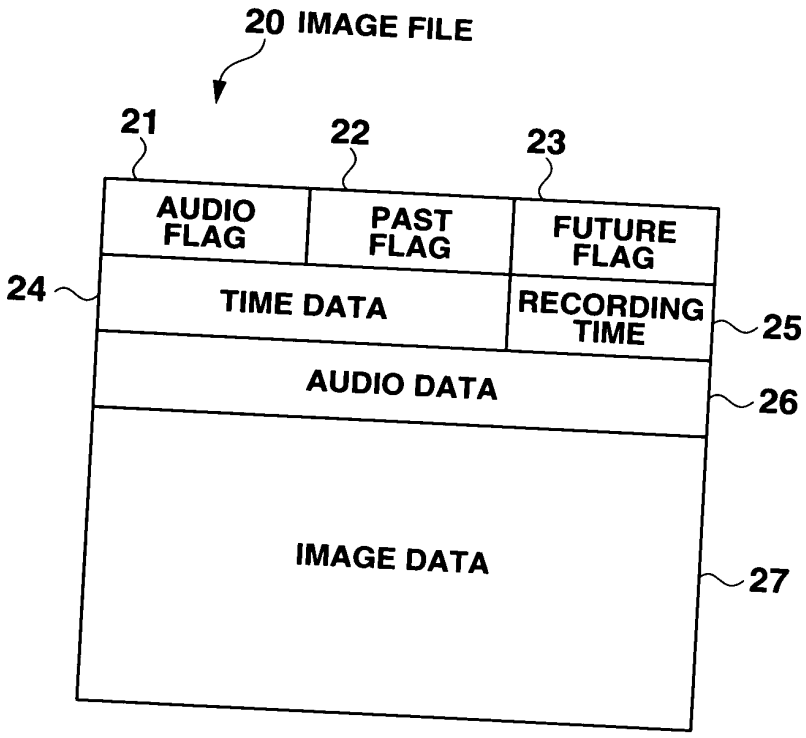

20 IMAGE FILE
21
22
23
AUDIO FLAG
PAST FLAG
FUTURE FLAG
24
TIME DATA
RECORDING TIME
25
AUDIO DATA
26
IMAGE DATA
27

FIG.3

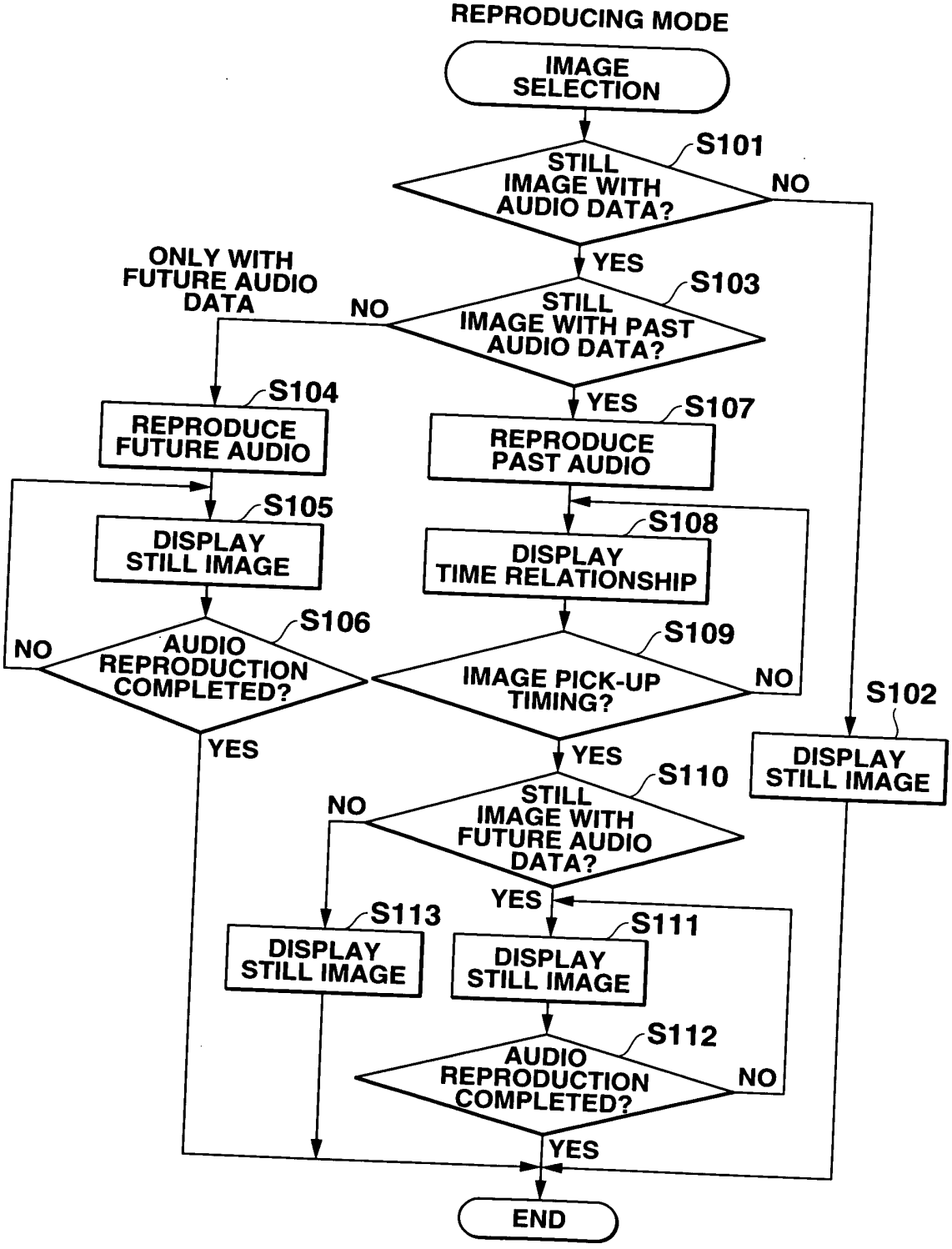

REPRODUCING MODE
IMAGE SELECTION
S101
STILL IMAGE WITH AUDIO DATA?
NO
YES
ONLY WITH FUTURE AUDIO DATA
NO
S103
STILL IMAGE WITH PAST AUDIO DATA?
S104
REPRODUCE FUTURE AUDIO
YES
S107
REPRODUCE PAST AUDIO
S105
DISPLAY STILL IMAGE
S108
DISPLAY TIME RELATIONSHIP
S106
NO
AUDIO REPRODUCTION COMPLETED?
S109
IMAGE PICK-UP TIMING?
NO
S102
DISPLAY STILL IMAGE
YES
YES
S110
NO
STILL IMAGE WITH FUTURE AUDIO DATA?
YES
S113
DISPLAY STILL IMAGE
S111
DISPLAY STILL IMAGE
S112
AUDIO REPRODUCTION COMPLETED?
NO
YES
END

FIG.4A

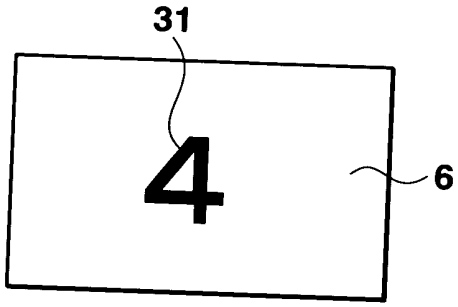


FIG.4B

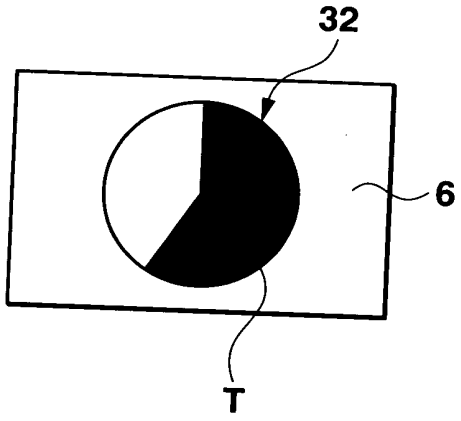


FIG.4C

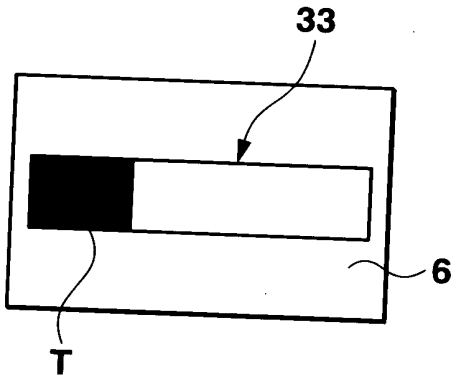


FIG.5

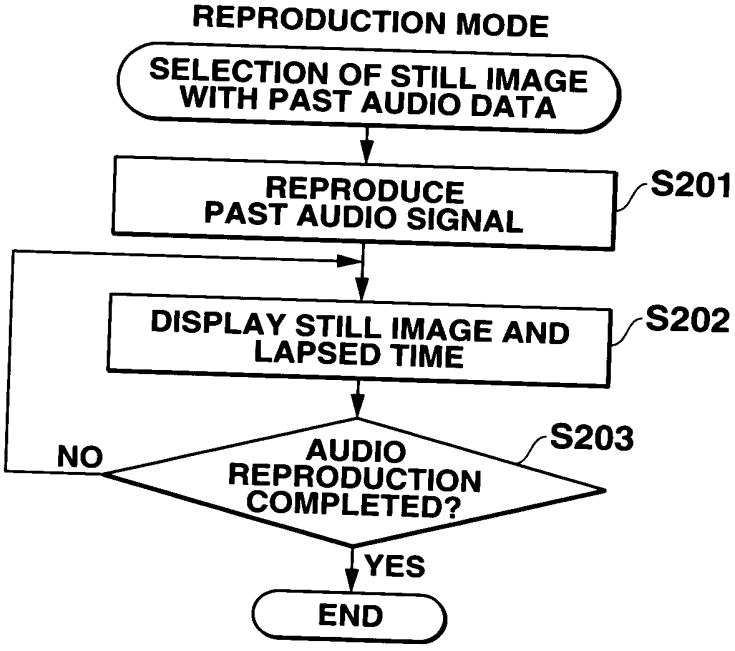

REPRODUCTION MODE
SELECTION OF STILL IMAGE WITH PAST AUDIO DATA
REPRODUCE PAST AUDIO SIGNAL
S201
DISPLAY STILL IMAGE AND LAPSED TIME
S202
AUDIO REPRODUCTION COMPLETED?
S203
NO
YES
END

FIG.6A

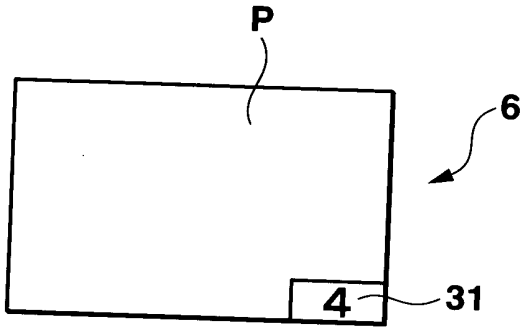


FIG.6B

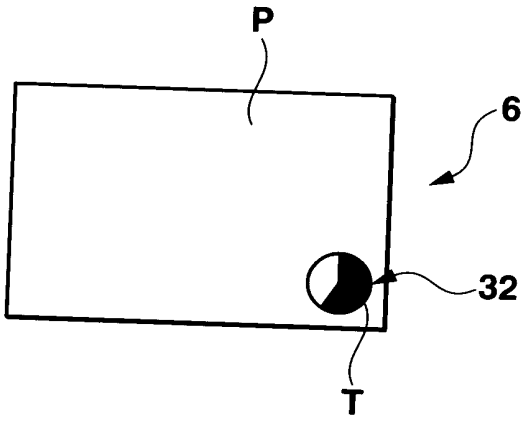


FIG.6C

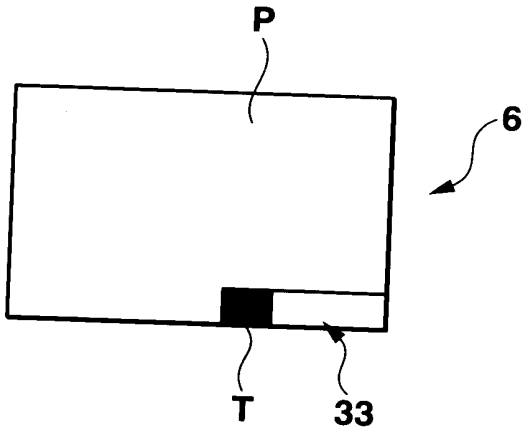


FIG.7

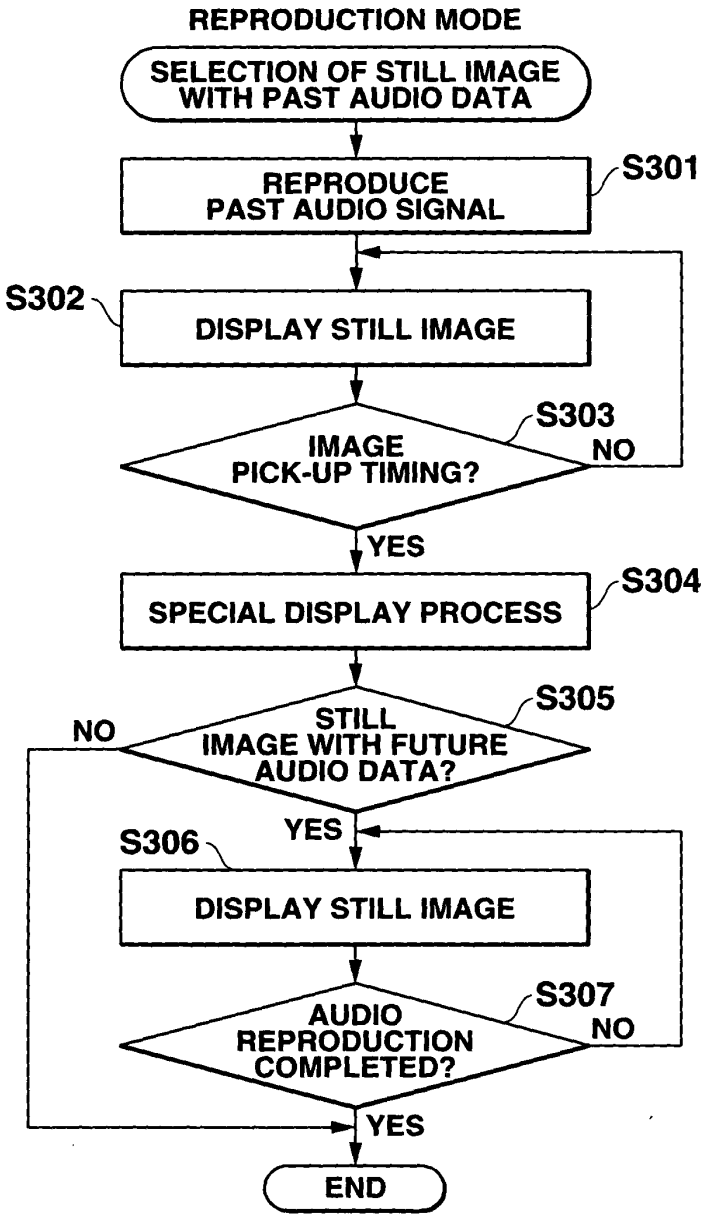

REPRODUCTION MODE
SELECTION OF STILL IMAGE WITH PAST AUDIO DATA
REPRODUCE PAST AUDIO SIGNAL
S301
S302
DISPLAY STILL IMAGE
IMAGE PICK-UP TIMING?
S303
NO
YES
SPECIAL DISPLAY PROCESS
S304
STILL IMAGE WITH FUTURE AUDIO DATA?
S305
NO
YES
S306
DISPLAY STILL IMAGE
AUDIO REPRODUCTION COMPLETED?
S307
NO
YES
END

FIG.8A

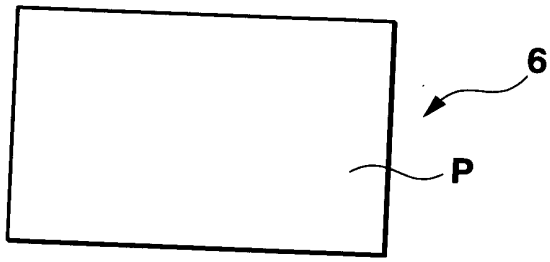


FIG.8B

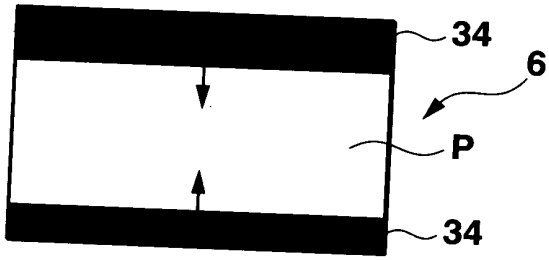


FIG.8C

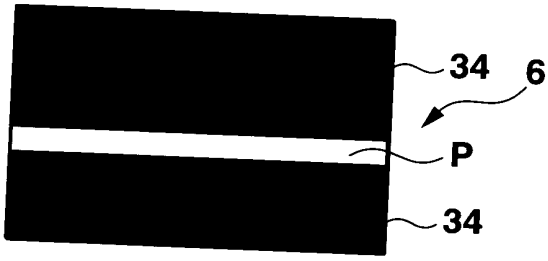


FIG.8D



FIG.9

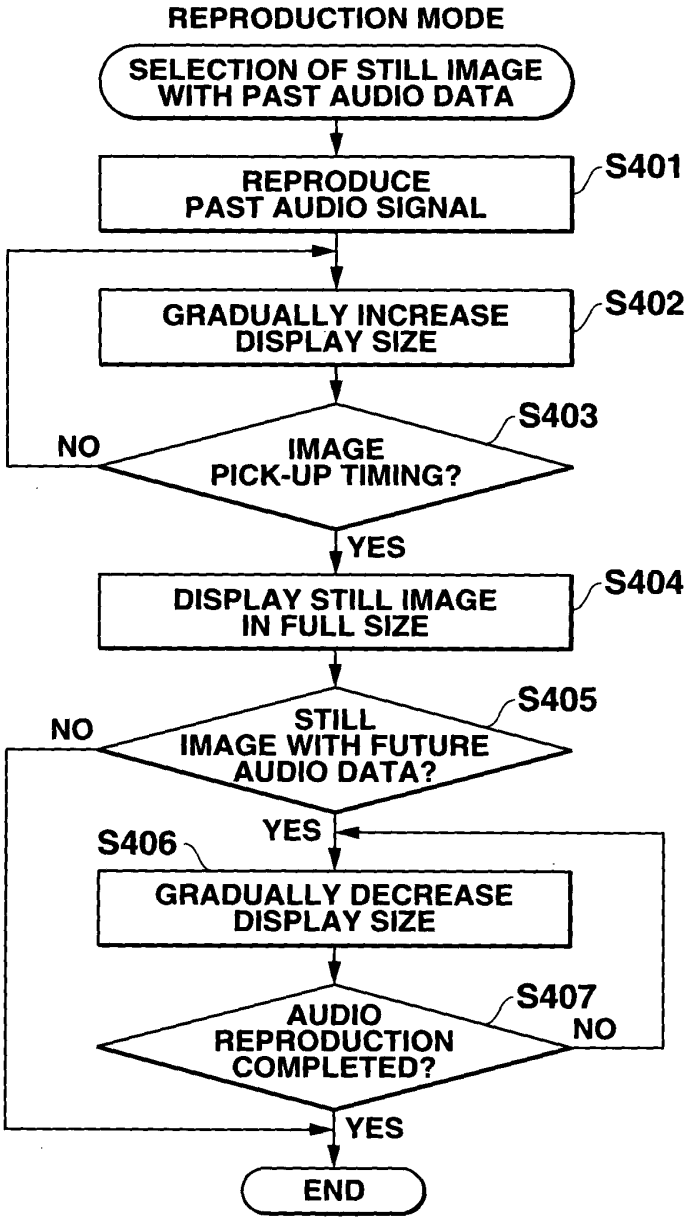

REPRODUCTION MODE
SELECTION OF STILL IMAGE WITH PAST AUDIO DATA
REPRODUCE PAST AUDIO SIGNAL
S401
GRADUALLY INCREASE DISPLAY SIZE
S402
IMAGE PICK-UP TIMING?
S403
NO
YES
DISPLAY STILL IMAGE IN FULL SIZE
S404
STILL IMAGE WITH FUTURE AUDIO DATA?
S405
NO
YES
S406
GRADUALLY DECREASE DISPLAY SIZE
AUDIO REPRODUCTION COMPLETED?
S407
NO
YES
END

FIG.10A

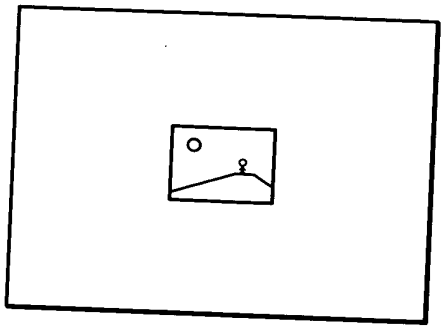


FIG.10B

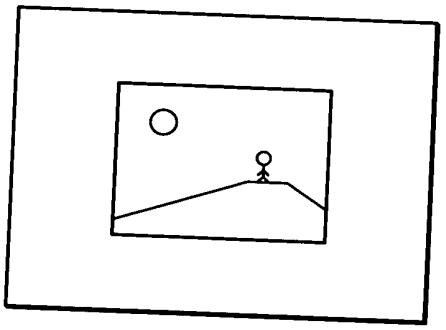


FIG.10C

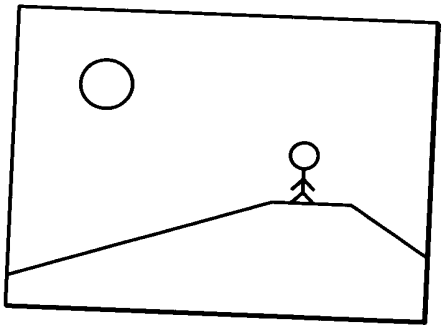


FIG.10D

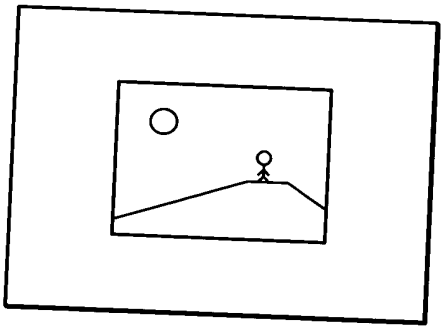


FIG.10E

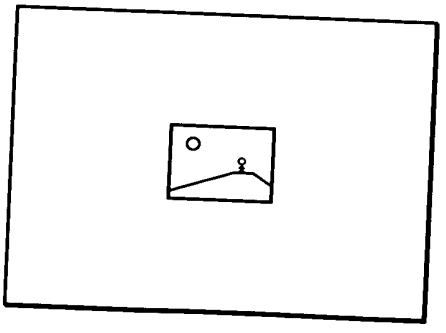
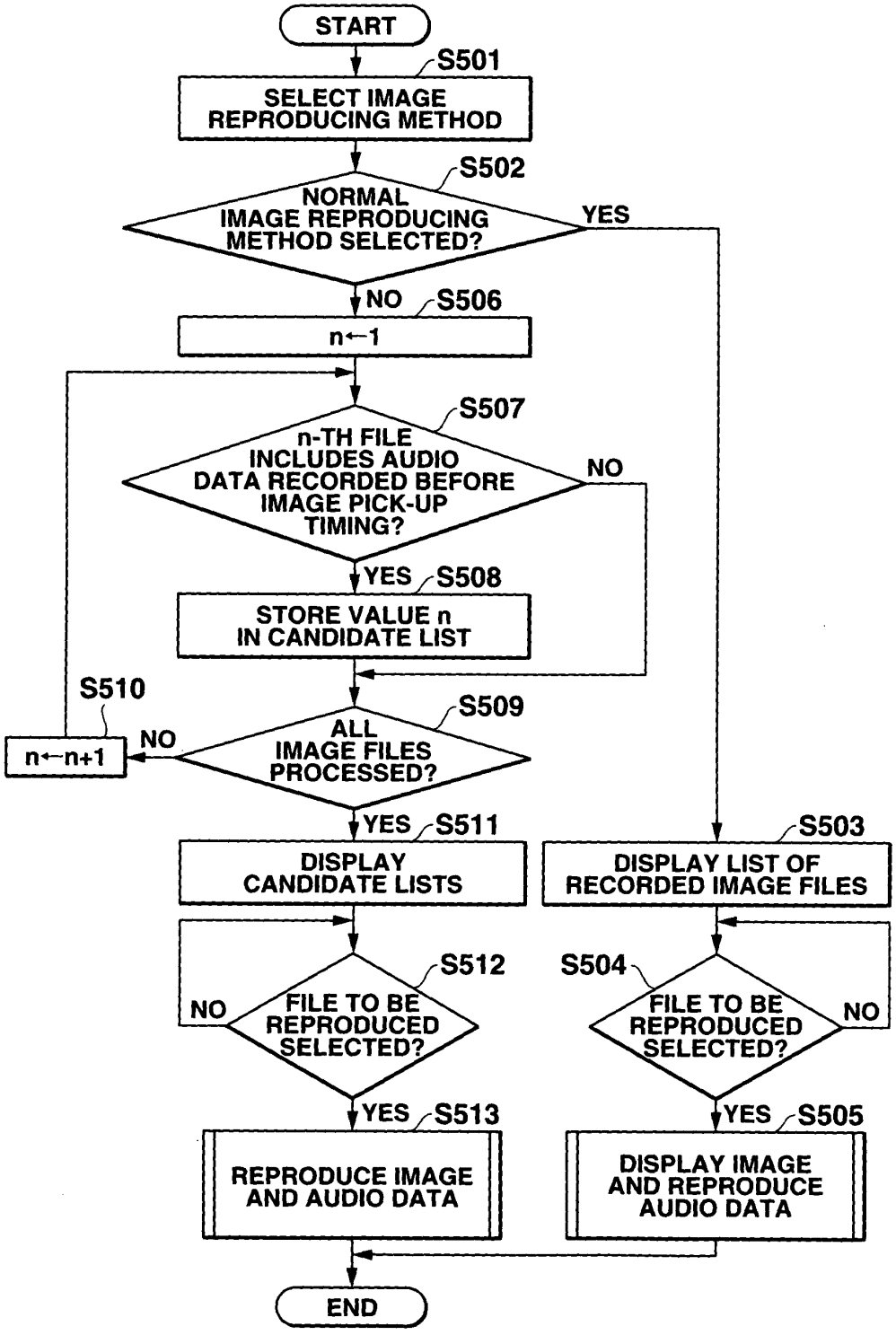


FIG.11


START
S501
SELECT IMAGE REPRODUCING METHOD
S502
NORMAL IMAGE REPRODUCING METHOD SELECTED?
YES
NO
S506
n←1
S507
n-TH FILE INCLUDES AUDIO DATA RECORDED BEFORE IMAGE PICK-UP TIMING?
NO
YES
S508
STORE VALUE n IN CANDIDATE LIST
S510
n←n+1
NO
S509
ALL IMAGE FILES PROCESSED?
YES
S511
DISPLAY CANDIDATE LISTS
S503
DISPLAY LIST OF RECORDED IMAGE FILES
S512
NO
FILE TO BE REPRODUCED SELECTED?
S504
FILE TO BE REPRODUCED SELECTED?
NO
YES
S513
REPRODUCE IMAGE AND AUDIO DATA
YES
S505
DISPLAY IMAGE AND REPRODUCE AUDIO DATA
END